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DIVISION OF LABOR STANDARDS

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OF THE

DEPARTMENT OF

LABOR AND INDUSTRIAL RELATIONS

OF THE

STATE OF MISSOURI



STATISTICAL REPORT

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1980

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CHRISTOPHER S. BOND

Governor

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FOREWORD

Missouri's Mineral production did not show the increase in 1980 that it has shown the last twelve years. The nine minerals that this department inspects, seven had decreases in production. We think most of this was due to the lagging economy. We believe if and when the economy improves, so will our mineral production with the exception of coal.

Pilot Knob's pellet mine closed in 1980 and sealed their shafts. We were sorry to lose this fine company.

Anschuts Mining Company is progressing on their property in Fredericktown, Missouri. They anticipate going into operation in approximately two years. When they start production this will be the only Cobalt mine in the United States.

St. Joe Minerals in the near future will sink a new shaft for the production of lead in the Bixby area.

Asarco is sinking a shaft for lead which is located between the Brushy Creek mine and Fletcher mine.

Our coal production dropped approximately fifteen per cent in 1980. We now have only ten mines in production. Two years ago we had nineteen mines. If the Air Standards are not relaxed some, and something isn't done to improve the Land Reclamation Law, our coal production will continue to drop each year.

We are happy to report that we had no fatalities in 1980. Our accident frequency rate in hard rock remained about the same. (The best in the United States). Our accident rate in the coal mines showed improvements.

Our cooperation with the mining companies, unions and employees was very good.

Our Mine Training Section was very busy in 1980. We trained 4,109 miners.

This department believes education and training of the mine employees is the answer to both production and safety. Our records show that they go hand in hand.

MISSOURI MINERALS PRODUCTION

KIND OF MINE	TONS PRODUCED	
	1979	1980
CLAY	1,278,876	1,074,509
COAL	6,487,445	5,502,523
COPPER	31,386	26,142
GRANITE (Red) ..	271	None
GRANITE (Felsite)	302,000	205,742
IRON	1,188,634	1,439,300
LEAD	719,553	752,060
SHALE	1,353,088	1,144,436
SILICA SAND ...	1,175,214	1,072,951
ZINC	130,323	129,683

+Cubic Feet

Concentrates - Lead - Zinc - Copper

Iron - Pellets

CLAY

Clay production in Missouri in 1980 showed a decrease of 204,367 tons compared to 1979.

THE LEADING PRODUCERS OF CLAY IN 1980 WERE AS FOLLOWS:

OPERATORS	TONS PRODUCED
Harbison-Walker Refractories	213,025
A.P. Green Refractories	150,300
Southern Clay Co.	145,658
Kaiser Aluminum & Chemical Corp.	110,940
Allied Chemical Corp.	104,993
River Cement Co.	69,526

FOLLOWING IS THE CLAY PRODUCTION FOR THE LAST TEN YEARS:

YEAR	TONS PRODUCED
1971	1,157,162
1972	1,210,279

1973	1,217,324
1974	1,780,114
1975	1,388,155
1976	1,403,983
1977	1,174,857
1978	1,235,744
1979	1,278,876
1980	1,074,509

CLAY

Operator	Men Employed	Tonnage
Allied Chemical Corp.	5	104,993
Alsey Refractories		10,881
C.E. Refractories		49,532
Churovich Clay Co.	3	2,458
Columbia Brick and Tile Co.		275
Arthur Dillon Mining Co.	1	6,150
Joe Gilliam Mining Co.		25,340
A.P. Green Refractories	28	150,300
Harbison-Walker Refractories	25	213,025
Elton Hensley Mining Co.	4	36,845
Johnson Clay Mining Co.	6	59,783
Kaiser Aluminum & Chemical Corp.	14	110,940
Kasten Clay Products Co.	2	14,820
Langenberg Mining Co.	2	35,671
Marquette Cement Co.	3	38,180
River Cement Co.	1	69,526
Southern Clay Co.	23	145,658
A.D. Willis and Son	0	132

COAL

Coal production for 1980 showed a decrease of 984,922 tons compared to 1979.

FOLLOWING ARE THE COUNTIES WHICH LED IN COAL PRODUCTION IN 1980:

Randolph	1,908,530
Bates	1,351,807
Henry	978,120
Barton	543,977

THE THREE LEADING COAL PRODUCERS FOR 1980 WERE:

Pittsburgh & Midway Coal Co.	1,895,784
Associated Electric Corp.	1,015,642
Peabody Coal Co. (Power Mine)	978,120

THE FOLLOWING COUNTIES EMPLOYED THE MOST MEN IN THE PRODUCTION OF COAL IN 1980:

Randolph . . . . .	.444
Henry . . . . .	.220
Bates . . . . .	.164
Vernon . . . . .	.149

THE FOLLOWING IS THE COAL PRODUCTION FOR THE LAST TEN YEARS:

YEAR	TONS PRODUCED
1971	4,000,510
1972	4,553,499
1973	4,654,903
1974	4,572,466
1975	5,669,671
1976	6,167,524
1977	6,626,940
1978	5,843,073
1979	6,487,445
1980	5,502,523

COAL

Operator	Men	Tonnage
Associated Electric Corp.	312	1,015,642
Bills Coal Co.	108	201,898
Holiday Coal Co.	16	45,235
Howard County Coal Co.	22	58,044
Midwestern Mining Reclamation	41	178,780
Missouri Mining Co.	46	236,132
N.E.M.O. Coal Co.	80	635,682
Peabody Coal Co. (Power Mine)	220	978,120
Pittsburgh & Midway Coal Co. (Empire Mine)	74	543,977
Pittsburgh & Midway Coal Co. (Midway Mine)	164	1,351,807
Universal Coal & Energy Co.	52	257,206

COAL PRODUCTION BY COUNTY

COUNTY	TONS PRODUCED	FATAL ACCIDENTS
Barton	543,977	0
Bates	1,351,807	0
Henry	978,120	0
Howard	103,279	0
Putnam	236,132	0
Randolph	1,908,530	0
Vernon	380,678	0

IRON

The 1980 production of Iron showed an increase of 250,666 tons compared to 1979.

BELOW IS THE PRODUCTION RECORD OF IRON FOR THE LAST TEN YEARS:

YEAR	TONS PRODUCED
1971	2,919,259
1972	2,849,291
1973	2,774,867
1974	1,936,627
1975	2,436,888
1976	2,294,779
1977	2,055,316
1978	717,769
1979	1,188,634
1980	1,439,300

IRON

Operators	Men Employed	Tonnage
Pea Ridge Iron Ore Co.	305	888,329
Pilot Knob Pellet Co.	405	550,971

LEAD

Lead production in Missouri for 1980 showed an increase of 32,507 tons. Zinc showed a decrease of 640 tons and Copper showed a decrease of 5,244 tons compared to 1979.

BELOW IS THE PRODUCTION RECORD OF LEAD, ZINC AND COPPER FOR THE LAST TEN YEARS:

Year	Tons Lead Produced	Tons Zinc Produced	Tons Copper Produced
1971	578,845	92,977	24,088
1972	663,958	120,825	22,961
1973	650,317	162,505	19,280
1974	774,879	171,697	19,295
1975	703,970	144,223	27,000
1976	713,185	185,595	22,954
1977	697,417	148,742	31,063
1978	716,126	130,537	23,999
1979	719,553	130,323	31,386
1980	752,060	129,683	26,142

LEAD, ZINC AND COPPER

Operator	Tons Produced Lead	Tons Produced Zinc	Tons Produced Copper	Men Employed
St. Joe Minerals Corp.	317,225	35,771	16,622	680
Cominco American	108,940	13,296	9,520	139
Amax Lead Co. of Mo.	226,068	69,379		477
Ozark Lead Co.	99,827	11,237		400

SHALE

The 1980 production of Shale showed a decrease of 208,652 tons compared to 1979.

THE FOLLOWING IS THE PRODUCTION RECORD OF
SHALE FOR THE LAST TEN YEARS:

YEARS	TONS PRODUCED
1971	1,190,894
1972	1,258,927
1973	1,092,964
1974	1,167,004
1975	1,051,050
1976	1,172,557
1977	1,276,884
1978	1,290,386
1979	1,353,088
1980	1,144,436

SHALE

Operator	Men Employed	Tonnage
The Carter-Waters Corp.	20	102,273
Columbia Brick and Tile Co.	3	6,381
Dundee Cement Co.	38	636,706
Missouri Portland Cement Co.	4	170,473
Midland Brick and Tile Co.	2	74,255
Universal Atlas Cement Co. (Now Lehigh Portland Cement Co.)	18	144,928
Ceramo	3	9,420

SILICA SAND

The 1980 production of Silica Sand showed a decrease of 102,263 tons compared to 1979.

THE FOLLOWING IS THE PRODUCTION RECORD OF
SILICA SAND FOR THE LAST TEN YEARS:

YEAR	TONS PRODUCED
1971	661,803
1972	1,013,894
1973	778,458
1974	1,048,605
1975	702,694

1976	995,049
1977	1,080,200
1978	1,168,894
1979	1,175,214
1980	1,072,951

SILICA SAND

Operator	Men Employed	Tonnage
Manley Sand Division - Martin Marietta Agg.	19	195,470
Master Bros. Silica Sand Co.	7	23,573
Pennsylvania Glass Sand Co. (Total of two mines)	62	569,214
UNIMIN Corp.	26	201,076
River Cement Co.	30	83,618

GRANITE

Operator	Men Employed	Tonnage
G.A.F. Corp.	88	205,742

MINE FATALITIES IN MISSOURI

Year	Lead and Zinc Mines	Coal Mines	Other Mines	Total
1900 . . .	52	19	...	71
1901 . . .	41	15	...	56
1902 . . .	14	10	...	24
1903 . . .	13	17	...	30
1904 . . .	30	11	...	41
1905 . . .	49	11	...	60
1906 . . .	58	16	...	74
1907 . . .	42	8	3	53
1908 . . .	46	10	...	56
1909 . . .	65	21	...	86
1910 . . .	45	16	...	61
1911 . . .	33	8	3	44
1912 . . .	28	19	2	49
1913 . . .	28	9	4	41
1914 . . .	22	19	2	43
1915 . . .	41	17	2	60
1916 . . .	35	6	2	43
1917 . . .	48	14	...	62
1918 . . .	16	22	1	39
1919 . . .	11	10	1	22
1920 . . .	No report	...	...	...
1921 . . .	10	12	...	22
1922 . . .	10	6	...	16
1923 . . .	9	20	...	29
1924 . . .	12	6	...	18
1925 . . .	6	11	...	17
1926 . . .	11	7	...	18
1927 . . .	5	9	1	15
1928 . . .	8	11	2	21
1929 . . .	2	7	...	9
1930 . . .	3	10	3	16
1931 . . .	1	6	2	9
1932 . . .	2	7	1	10
1933 . . .	...	19	2	21
1934 . . .	1	13	...	14
1935 . . .	2	9	...	11
1936 . . .	3	16	1	20
1937 . . .	2	14	2	18
1938 . . .	5	7	2	14
1939 . . .	6	1	...	7
1940 . . .	3	7	...	10

Year	Lead and Zinc Mines	Coal Mines	Other Mines	Total
1941 . . .	4	8	2	14
1942 . . .	6	...	2	8
1943 . . .	4	7	2	13
1944 . . .	6	4	2	12
1945 . . .	6	5	2	13
1946 . . .	1	3	2	6
1947 . . .	7	3	6	16
1948 . . .	2	1	4	7
1949 . . .	5	2	5	12
1950 . . .	2	1	4	7
1951 . . .	2	2	5	9
1952 . . .	3	3	4	10
1953 . . .	2	...	...	2
1954 . . .	...	1	1	2
1955 . . .	1	...	2	3
1956 . . .	1	...	1	2
1957 . . .	3	1	3	7
1958 . . .	2	1	3	6
1959 . . .	4	...	...	4
1960 . . .	...	...	...	0
1961 . . .	6	1	...	7
1962 . . .	...	...	...	0
1963 . . .	...	...	...	0
1964 . . .	3	...	...	3
1965 . . .	2	...	...	2
1966 . . .	1	1	2	4
1967 . . .	2	...	...	2
1968 . . .	3	...	1	4
1969 . . .	2	...	...	2
1970 . . .	3	1	...	5
1971 . . .	3	1	...	4
1972 . . .	2	1	1	4
1973 . . .	2	...	4	6
1974 . . .	2	...	3	5
1975 . . .	0	2	2	2
1976 . . .	1	0	0	1
1977 . . .	1	...	...	xxx
1978 . . .	0	0	2	...
1979 . . .	1	0	0	...
1980 . . .	0	0	0	0
Total . . .	214	525	110	1550

CAVES

An act of the 63rd General Assembly authorized and directed inspection of all Caves held open to the public and to require every Cave owner, operator or agent to provide necessary safety guard rails, bridges, ladders, entrances, platforms, walkways, safety barriers, rails, paths and other safety measures in and around any such Cave before it may be opened to the public and to file a complete and true map plan of such cave.

It shall be the duty of the Inspection Section to inspect such Caves at least once a year. The annual inspection fee will be thirty-five dollars (\$35.00).

COUNTY	NAME OF CAVE	ADDRESS
Barry	Crystal Caverns	Cassville, Mo.
Camden	Ozark Caverns	Osage Beach, Mo.
Camden	Bridal Cave	Camdenton, Mo.
Crawford	Onondago Cave	Leasburg, Mo.
Franklin	Fisher's Cave	Sullivan, Mo.
Franklin	Meramec Caverns	Stanton, Mo.
Greene	Crystal Cave	Springfield, Mo.
Greene	Fantastic Caverns	Springfield, Mo.
McDonald	Ozark Wonder Cave	Noel, Mo.
McDonald	Bluff Dwellers Cave	Noel, Mo.
Marion	Cameron Cave	Hannibal, Mo.
Marion	Mark Twain Cave	Hannibal, Mo.
Miller	Indian Burial Cave	Osage Beach, Mo.
Morgan	Jacob's Cave	Versailles, Mo.
St. Francois	Bonne Terre Cave	Bonne Terre, Mo.
Stone	Talking Rock Cave	Silver Dollar City, Mo.
Stone	Marvel Cave	Silver Dollar City, Mo.
Wayne	Rebel Cave	Silva, Mo.
Boone	Boone Cave	Rocheport, Mo.
Shannon	Round Springs	Round Springs, Mo.
McDonald	Truitts Cave	Lanagan, Mo.
Carter	Onyx Cave	Van Buren, Mo.